

# Melissa L Zastrow

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9578032/publications.pdf>

Version: 2024-02-01

13  
papers

1,299  
citations

933447

10  
h-index

1125743

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

1852  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein Design: Toward Functional Metalloenzymes. <i>Chemical Reviews</i> , 2014, 114, 3495-3578.	47.7	379
2	Hydrolytic catalysis and structural stabilization in a designed metalloprotein. <i>Nature Chemistry</i> , 2012, 4, 118-123.	13.6	293
3	Designing Hydrolytic Zinc Metalloenzymes. <i>Biochemistry</i> , 2014, 53, 957-978.	2.5	126
4	Designing functional metalloproteins: From structural to catalytic metal sites. <i>Coordination Chemistry Reviews</i> , 2013, 257, 2565-2588.	18.8	109
5	Modulation of extrasynaptic NMDA receptors by synaptic and tonic zinc. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2705-14.	7.1	109
6	Influence of Active Site Location on Catalytic Activity in <i>de Novo</i> -Designed Zinc Metalloenzymes. <i>Journal of the American Chemical Society</i> , 2013, 135, 5895-5903.	13.7	78
7	Reaction-Based Probes for Imaging Mobile Zinc in Live Cells and Tissues. <i>ACS Sensors</i> , 2016, 1, 32-39.	7.8	69
8	A far-red emitting probe for unambiguous detection of mobile zinc in acidic vesicles and deep tissue. <i>Chemical Science</i> , 2015, 6, 1944-1948.	7.4	42
9	A Crystallographic Examination of Predisposition versus Preorganization in <i>de Novo</i> Designed Metalloproteins. <i>Journal of the American Chemical Society</i> , 2016, 138, 11979-11988.	13.7	34
10	HaloTag-Based Hybrid Targetable and Ratiometric Sensors for Intracellular Zinc. <i>ACS Chemical Biology</i> , 2020, 15, 396-406.	3.4	33
11	Differential Effects of Transition Metals on Growth and Metal Uptake for Two Distinct <i>Lactobacillus</i> Species. <i>Microbiology Spectrum</i> , 2022, 10, e0100621.	3.0	10
12	Live-Cell Copper-Induced Fluorescence Quenching of the Flavin-Binding Fluorescent Protein CreiLOV. <i>ChemBioChem</i> , 2020, 21, 1356-1363.	2.6	9
13	Transition Metals Induce Quenching of Monomeric Near-Infrared Fluorescent Proteins. <i>Biochemistry</i> , 2022, 61, 494-504.	2.5	8